

# Natural Nucleus Error Messages

## NAT0301-NAT0350

### NAT0301: Edit mask too long or not correctly specified.

Text	Edit mask too long or not correctly specified.
Expl.	<p>Possible reasons for this error:</p> <ul style="list-style-type: none"> <li>- The edit mask you have specified is too long. The maximum possible length of an edit mask is 80 characters.</li> <li>- You have specified an edit mask at statement level in a DISPLAY, FORMAT, INPUT or WRITE statement. At statement level in these statements, you can only specify 'EM=OFF', but no specific edit mask.</li> <li>- The specified edit mask contains no character that would cause any digit of the value to be output (for example, for numeric values only letter positions are specified, or for alphabetical values only number positions are specified).</li> </ul>
Actn.	Correct error in program.

### NAT0302: Element in WRITE/INPUT statement does not fit on 1 line.

Text	Element in WRITE/INPUT statement does not fit on 1 line.
Expl.	The size of an element specified in a WRITE/INPUT statement exceeds the current line size.
Actn.	Either increase the line size (parameter LS), or reduce the size of the element (for example, by using a REDEFINE statement).

### NAT0303: Page overflow, too many vertical entries.

Text	Page overflow, too many vertical entries.
Expl.	The number of vertical entries specified within one INPUT, WRITE or DISPLAY statement exceeded the current page size.
Actn.	Either increase the page size (parameter PS) or reduce the number of vertical entries.

### NAT0304: Invalid printer reference number.

Text	Invalid printer reference number.
Expl.	<p>A printer number must be specified as a numeric constant or symbolic constant defined with DEFINE PRINTER enclosed in parentheses.</p> <p>There is no additional printer support within a map (processing rule).</p>
Actn.	Check program and correct error.

### NAT0305: Text string must begin and end on the same line.

Text	Text string must begin and end on the same line.
Expl.	A text string is initiated with an apostrophe and must be ended on the same line with another apostrophe. If a text string longer than one line is required, enter the text in two portions (each within apostrophes) in two consecutive lines and with a hyphen (-) between the two portions. At execution time, the two portions will be concatenated.
Actn.	Correct error in program.

**NAT0306: DO or DOEND either missing or misplaced.**

Text	DO or DOEND either missing or misplaced.
Expl.	A group of statements initiated with a DO statement must be terminated with a DOEND statement. The omission of a DOEND statement may only be detected at the end of a source program. The position of the error in the program does not necessarily correspond to the position where the DOEND should be placed.
Actn.	Ensure that each DO statement has a corresponding DOEND statement.

**NAT0307: Processing loop not closed within a conditional block.**

Text	Processing loop not closed within a conditional block.
Expl.	A processing loop which is initiated within a conditional statement block must be closed within that block. Valid example: Invalid example: ----- IF ... IF ... DO DO FIND ... FIND ... DISPLAY ... DISPLAY ... LOOP DOEND DOEND END END
Actn.	Check program and correct error.

**NAT0308: Attempt to close a non-existent processing loop.**

Text	Attempt to close a non-existent processing loop.
Expl.	The LOOP statement can only be used to close an active processing loop. Either the processing loop to be closed was not properly initiated, or the processing loop had already been closed.
Actn.	Check program and correct error.

**NAT0309: Invalid positioning of AT BREAK/END condition.**

Text	Invalid positioning of AT BREAK/END condition.
Expl.	An AT BREAK/END condition cannot be used within a block of statements that is dependent on another special condition. Blocks are: AT BREAK AT END/TOP OF PAGE AT START/END OF DATA ON ERROR IF
Actn.	Re-position the AT BREAK/END condition.

**NAT0310: AT END OF or AT BREAK requires active processing loop.**

Text	AT END OF or AT BREAK requires active processing loop.
Expl.	An AT BREAK/END statement can only be used within an active processing loop.
Actn.	Check program and correct error.

**NAT0311: Error occurred in user exit for source/object programs.**

Text	Error occurred in user exit for source/object programs.
Expl.	A non-zero response code was received from the user exit which is used to store source/object programs in a user-controlled file.
Actn.	Check the coding of the user exit (response code in register 15 when returning to Natural).

**NAT0312: Reference invalid in AT START/END OF DATA or AT BREAK.**

Text	Reference invalid in AT START/END OF DATA or AT BREAK.
Expl.	A reference number was used to refer one of the above conditional statements to a specific processing loop. However, the specified reference number refers to a line which does not contain the correct loop-initiating statement.
Actn.	Check program and correct error.

**NAT0313: Only one BEFORE BREAK/AT START OF DATA allowed in a loop.**

Text	Only one BEFORE BREAK/AT START OF DATA allowed in a loop.
Expl.	<p>Only one AT START OF DATA condition can be specified for a single processing loop. If multiple statements are to be made dependent on the AT START OF DATA condition, use a DO/DOEND construction (see example below).</p> <p>Example:</p> <pre> READ ... AT START OF DATA DO IF ... DO ... DOEND IF ... DO ... DOEND DOEND DISPLAY LOOP END </pre>
Actn.	Check program and correct error.

**NAT0314: No more than one ON ERROR statement allowed per program.**

Text	No more than one ON ERROR statement allowed per program.
Expl.	<p>Only one ON ERROR condition can be specified in a given program. To check multiple conditions in an ON ERROR condition, use IF statements within the ON ERROR condition.</p> <p>Example:</p> <pre> ----- READ ... UPDATE ... ON ERROR IF ... END-IF IF ... END-IF END-ERROR END-READ END </pre>
Actn.	Check program and correct error.

**NAT0315: Entry 'BREAK /n/' greater than length of variable.**

Text	Entry 'BREAK /n/' greater than length of variable.
Expl.	<p>The notation '/n/' can be used to specify how many positions of a variable are to be used in the evaluation of a BREAK condition. The value for 'n' cannot be greater than the number of positions defined for the variable.</p>
Actn.	Check program and correct error.

**NAT0316: Statement not permitted within specified condition.**

Text	Statement not permitted within specified condition.
Expl.	<p>Certain restrictions exist for the use of statements within certain conditions.</p> <p>The specified statement is not allowed in this type of condition. Within an external subroutine object, for example, only DEFINE SUBROUTINE statements and DEFINE DATA statements are allowed.</p>
Actn.	Check program and correct error.

**NAT0317: 1 element (column width) must not exceed 250 characters.**

Text	1 element (column width) must not exceed 250 characters.
Expl.	The maximum length of elements that can be output in a DISPLAY column is 250 characters.
Actn.	Redefine element into smaller elements, or have the fields displayed in vertical mode.

**NAT0318: 'FULL VALUE' must not be specified in EXAMINE TRANSLATE.**

Text	'FULL VALUE' must not be specified in EXAMINE TRANSLATE.
Expl.	Unlike in an EXAMINE statement, 'FULL VALUE' must not be specified in an EXAMINE TRANSLATE statement. An EXAMINE TRANSLATE statement always processes the entire content of the field.
Actn.	Correct error in program.

**NAT0319: Argument for AVER, TOTAL, SUM must be numeric.**

Text	Argument for AVER, TOTAL, SUM must be numeric.
Expl.	The argument for the evaluation of the Natural system functions AVER, TOTAL and SUM must be defined with numeric format.
Actn.	Check program and correct error.

**NAT0320: Edit mask permitted for output elements only.**

Text	Edit mask permitted for output elements only.
Expl.	In an INPUT statement, edit masks can only be used for output elements (attribute = M or O). For input elements (attribute = A), edit masks cannot be used. Note that if you use hexadecimal edit masks for output elements, you cannot use attribute M = modify.
Actn.	Check program and correct error.

**NAT0321: Invalid specification of parameter AL or NL.**

Text	Invalid specification of parameter AL or NL.
Expl.	The parameter AL and NL can only be used for output elements; they cannot be used for input-only or modifiable elements. The specification of AL or NL for an individual element must agree in format with the format of the individual variable.
Actn.	Check program and correct error.

**NAT0322: Type of variable invalid as system function argument.**

Text	Type of variable invalid as system function argument.
Expl.	<p>1) A Natural system variable cannot be used as an argument for a Natural system function.</p> <p>If a system function is to be evaluated from a system variable, assign the value of the system variable to a user-defined variable and use this variable as the argument.</p> <p>2) A variable used as a password/cipher variable cannot be used as an argument for a Natural system function.</p> <p>If the same variable as used for password/cipher is to be used as an argument for a Natural system function, assign the value to a user-defined variable, and use that variable as the argument.</p>
Actn.	Check program and correct error.

**NAT0323: ON ERROR statement not allowed within condition.**

Text	ON ERROR statement not allowed within condition.
Expl.	<p>An ON ERROR statement must not be placed within any of the following statement blocks:</p> <ul style="list-style-type: none"> <li>- AT START/END OF DATA</li> <li>- AT TOP/END OF PAGE</li> <li>- AT BREAK</li> <li>- BEFORE BREAK PROCESSING</li> <li>- IF</li> <li>- IF NO RECORDS FOUND</li> <li>- AT END OF FILE</li> <li>- DEFINE SUBROUTINE</li> </ul>
Actn.	Check program and correct error.

**NAT0324: DOEND missing for DO statement in line :1:.**

Text	DOEND missing for DO statement in line ....
Expl.	A statement block initiated with a DO statement must be terminated with a DOEND statement.
Actn.	Correct error in program.

**NAT0325: Inconsistent naming of fields in the data dictionary.**

Text	Inconsistent naming of fields in the data dictionary.
Expl.	The same field name was used twice in a database view definition in the data dictionary.
Actn.	Inform your Natural administrator, or use the LIST FILE command to check the view definition.

**NAT0326: Repetition factor in hexadecimal edit mask exceeds 63.**

Text	Repetition factor in hexadecimal edit mask exceeds 63.
Expl.	The repetition factor in a hexadecimal edit mask must not exceed 63.
Actn.	Check program and correct error.

**NAT0327: Numeric edit mask specifies no valid positions in value.**

Text	Numeric edit mask specifies no valid positions in value.
Expl.	The specified numeric edit mask does not contain any positions which actually exist in the value to which the edit mask is applied.
Actn.	Check program and correct error.

**NAT0328: Maximum number/length of sort fields exceeded.**

Text	Maximum number/length of sort fields exceeded.
Expl.	Either the total length of the fields to be sorted was greater than 253, or the total number of fields to be sorted was greater than 10.
Actn.	Reduce the size of the sort criteria.

**NAT0329: AT BREAK required with PERFORM BREAK PROCESSING.**

Text	AT BREAK required with PERFORM BREAK PROCESSING.
Expl.	After a PERFORM BREAK PROCESSING statement, no AT BREAK statement was issued. This error can also occur if the PERFORM BREAK PROCESSING is within an IF condition and the PERFORM BREAK PROCESSING and subsequent AT BREAK are not explicitly bounded by DO and DOEND statements.
Actn.	Check program and correct error.

**NAT0330: AT END OF DATA specified more than once for a loop.**

Text	AT END OF DATA specified more than once for a loop.
Expl.	Only one AT END OF DATA statement is allowed per processing loop.
Actn.	Check program and correct error.

**NAT0331: Parameters LC, IC, TC not allowed in WRITE/INPUT.**

Text	Parameters LC, IC, TC not allowed in WRITE/INPUT.
Expl.	The parameters LC, IC and TC can only be used for the columnar output of a DISPLAY statement. If leading or trailing characters are to be used in a WRITE or INPUT statement, specify literal constants before or after the value.
Actn.	Check program and correct error.

**NAT0332: The parameters LC and IC cannot be used together.**

Text	The parameters LC and IC cannot be used together.
Expl.	The LC and IC characters are mutually exclusive.
Actn.	Check program and correct error.

**NAT0333: Alphanumeric edit mask may not be used for numeric value.**

Text	Alphanumeric edit mask may not be used for numeric value.
Expl.	The error may be caused by an incorrect definition of the edit mask in the data dictionary.
Actn.	Check program or data dictionary and correct edit mask specification.

**NAT0334: Numeric field length less than dictionary definition.**

Text	Numeric field length less than dictionary definition.
Expl.	The length of a database field may only be explicitly overridden with a value which is greater than the length of the field as defined in the data dictionary, but not with a smaller length. If a shorter field is desired, define a variable and assign the value of the database field to it (with an ASSIGN or MOVE statement).
Actn.	Check program and correct error.

**NAT0335: Text string for SCAN must be enclosed within apostrophes.**

Text	Text string for SCAN must be enclosed within apostrophes.
Expl.	The text string to be used for a SCAN operation must be enclosed within apostrophes, and it must be contained on a single source code line.
Actn.	Check program and correct error.

**NAT0336: Field to be examined must be a variable if it is modified.**

Text	Field to be examined must be a variable if it is modified.
Expl.	In an EXAMINE statement, the field to be examined must not be a constant if it is to be modified, that is, if a DELETE/REPLACE clause is used. This error also occurs if a constant is specified in an EXAMINE TRANSLATE statement; the field to be TRANSLATED must be a variable.
Actn.	Correct error in program.

**NAT0337: Format/length of translate table must be A2 or B2.**

Text	Format/length of translate table must be A2 or B2.
Expl.	The format/length of the translate table specified in the USING clause of an EXAMINE TRANSLATE statement must be either A2 or B2.
Actn.	Correct error in program.

**NAT0338: A database field with no active reference was used.**



Text	A database field with no active reference was used.
Expl.	A database field can be referenced only within an active processing loop. If the processing loop has been closed, reference to fields made available by the processing loop is no longer allowed.
Actn.	Ensure that all references to database fields are contained within an active processing loop.

**NAT0339: No specific heading allowed for group names in WRITE.**

Text	No specific heading allowed for group names in WRITE.
Expl.	If a group name is used in a WRITE (or INPUT) statement, no specific header text may be specified for the group.
Actn.	Check program and correct error.

**NAT0340: Invalid tab setting; occupied column overlaid.**

Text	Invalid tab setting; occupied column overlaid.
Expl.	The tabulation 'nT' can only be used to position forward in a line. The tabulator notation must not position the new value over an already occupied output position.
Actn.	Check program and correct error.

**NAT0341: Repetition factor for text string > 250 or invalid.**

Text	Repetition factor for text string > 250 or invalid.
Expl.	The repetition factor may be used to cause a one-character text string to be repeated. The repetition factor must be a numeric integer constant enclosed in parentheses. The maximum repetition factor allowed is 250.
Actn.	Check program and correct error.

**NAT0342: AT BREAK not possible in this type of processing loop.**

Text	AT BREAK not possible in this type of processing loop.
Expl.	The AT BREAK statement may only be used in processing loops that are initiated by a FIND, READ, HISTOGRAM or SORT statement. User-initiated break processing can be done with the statement PERFORM BREAK PROCESSING.
Actn.	Check program and correct error.

**NAT0343: Only literal of one character can be used for repetition.**

Text	Only literal of one character can be used for repetition.
Expl.	A character string that is to be repeated using a repetition factor may consist of only one single character.
Actn.	Check program and correct error.

**NAT0344: WRITE TITLE/TRAILER is not allowed within condition.**

Text	WRITE TITLE/TRAILER is not allowed within condition.
Expl.	<p>A WRITE TITLE or WRITE TRAILER statement must not be placed within any of the following statement blocks:</p> <ul style="list-style-type: none"> <li>- IF</li> <li>- AT START/END OF DATA</li> <li>- AT TOP/END OF PAGE</li> <li>- AT BREAK</li> <li>- BEFORE BREAK PROCESSING</li> <li>- AT END OF FILE</li> <li>- ON ERROR</li> <li>- IF NO RECORDS FOUND</li> <li>- DEFINE SUBROUTINE</li> </ul>
Actn.	Place WRITE TITLE/WRITE TRAILER outside such a statement block.

**NAT0345: Edit mask definition error in data dictionary.**

Text	Edit mask definition error in data dictionary.
Expl.	The edit mask for a database field, as defined in the data dictionary, is incorrect.
Actn.	Contact your Natural administrator. A temporary by-pass may be to override the edit mask definition in the program.

**NAT0346: Data definition module (DDM) :1: cannot be loaded.**

Text	Data definition module (DDM) :1: cannot be loaded.
Expl.	The data definition module (DDM) for the requested file cannot be loaded, because the internal DDM load buffer could not be allocated with a sufficient size.
Actn.	Start Natural in a larger thread/partion/region/task environment.

**NAT0347: SORT statement must not be placed within condition.**

Text	SORT statement must not be placed within condition.
Expl.	<p>The SORT statement closes all existing processing loops and initiates a new processing loop to process all records after they have been sorted. The SORT statement, therefore, cannot be placed within any of the following statement blocks:</p> <ul style="list-style-type: none"> <li>- AT START/END OF DATA</li> <li>- AT TOP/END OF PAGE</li> <li>- AT BREAK</li> <li>- BEFORE BREAK PROCESSING</li> <li>- AT END OF FILE</li> <li>- IF</li> <li>- IF NO RECORDS FOUND</li> <li>- ON ERROR</li> </ul>
Actn.	Check program and correct error.

**NAT0348: AT TOP/END OF PAGE must not be placed within condition.**

Text	AT TOP/END OF PAGE must not be placed within condition.
Expl.	<p>The statements AT TOP OF PAGE and AT END OF PAGE can only be used outside the following statement blocks:</p> <ul style="list-style-type: none"> <li>- AT START/END OF DATA</li> <li>- AT TOP/END OF PAGE</li> <li>- AT BREAK</li> <li>- BEFORE BREAK PROCESSING</li> <li>- AT END OF FILE</li> <li>- IF</li> <li>- IF NO RECORDS FOUND</li> <li>- ON ERROR</li> <li>- DEFINE SUBROUTINE</li> </ul>
Actn.	Place AT TOP/END OF PAGE outside such a statement block.

**NAT0349: Invalid parameter value in (SET) GLOBALS statement/cmd.**

Text	Invalid parameter value in (SET) GLOBALS statement/command.
Expl.	<p>The value for a parameter specified in a SET GLOBALS statement (or GLOBALS command) was invalid. Possible values for the parameter in question are 'ON' and 'OFF' (or 'T' and 'F' respectively).</p>
Actn.	Check program and correct error.

**NAT0350: Too many vertical entries in one INPUT/WRITE/DISPLAY.**

Text	Too many vertical entries in one INPUT/WRITE/DISPLAY.
Expl.	<p>One INPUT, WRITE or DISPLAY statement can generate a maximum of 63 lines vertically.</p> <p>The row value in the notation 'X/Y' must not exceed 63.</p> <p>The number of header lines must not exceed 14.</p>
Actn.	Check program and correct error.